AZ-120^Q&As

Planning and Administering Microsoft Azure for SAP Workloads

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QUESTION 1

You have an Azure virtual machine that runs SUSE Linux Enterprise Server (SLES). The virtual machine hosts a highly available deployment of SAP HANA.

You need to validate whether Accelerated Networking is operational for the virtual machine,

What should you use?

A. ethtool

B. netsh

C. iometer

D. fio

Correct Answer: A

Check for activity on the VF (virtual function) with the ethtool -S eth0 | grep vf_ command. If you receive output similar to the following sample output, accelerated networking is enabled and working.

vf_rx_packets: 992956 vf_rx_bytes: 2749784180 vf_tx_packets: 2656684 vf_tx_bytes: 1099443970 vf_tx_dropped: 0 Accelerated Networking is now enabled for your VM.

Incorrect Answers:

B: Network shell (netsh) is a command-line utility that allows you to configure and display the status of various network communications server roles and components after they are installed on computers running Windows Server.

C: Iometer is an I/O subsystem measurement and characterization tool for single and clustered systems. It is used as a benchmark and troubleshooting tool and is easily configured to replicate the behaviour of many popular applications. One commonly quoted measurement provided by the tool is IOPS.

D: FIO is a popular tool to benchmark storage on the Linux VMs. It has the flexibility to select different IO sizes, sequential or random reads and writes. It spawns worker threads or processes to perform the specified I/O operations. You can specify the type of I/O operations each worker thread must perform using job files

Reference: https://docs.microsoft.com/en-us/azure/virtual-network/create-vm-accelerated-networking-cli

QUESTION 2

You plan to migrate an on-premises SAP development system to Azure.

Before the migration, you need to check the usage of the source system hardware, such as CPU, memory, network, etc.

Which transaction should you run from SAP GUI?

A. SM51

B. DB01

C. DB12

D. OS07N/ST06

Correct Answer: D

SAP transaction OS07N (Remote Operating System Activity) is classified in the Basis Component module under application component Operating System Monitors and runs Monitoring Operating System program RSHOST1N upon execution. Incorrect Answers:

A: Transaction code SM51 is to display list of active application servers that have registered in the SAP message server.

B: DB01 is a transaction code used for Analyze Exclusive Lockwaits in SAP.

C: Transaction code DB12 is to collects and presents information that is necessary to monitor database backups.

ST06 is a transaction code used for Operating System Monitor in SAP. SAP transaction ST06 (Operating System Monitor) is classified in the Basis Component module under application component Operating System Monitors and runs Monitoring Operating System program RSHOST05 upon execution.

References: http://www.saptransactions.com/codes/OS07N/ https://www.saptransactions.com/codes/ST06/

QUESTION 3

You have an on-premises SAP NetWeaver landscape that contains an IBM DB2 database.

You need to migrate the database to a Microsoft SQL Server instance on an Azure virtual machine.

Which tool should you use?

A. Data Migration Assistant

B. SQL Server Migration Assistant (SSMA)

C. Azure Migrate

D. Azure Database Migration Service

Correct Answer: B

QUESTION 4

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while

others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You have an SAP production landscape on-premises and an SAP development landscape on Azure.

You deploy a network virtual appliance to act as a firewall between the Azure subnets and the on-premises network.

You need to ensure that all traffic is routed through the network virtual appliance.

Solution: You create an Azure Traffic Manager profile.

Does this meet the goal?

A. Yes

B. No

Correct Answer: B

QUESTION 5

A customer that has a large enterprise SAP environment plans to migrate to Azure. The environment uses servers that run Windows Server 2016 and Microsoft SQL Server.

The environment is critical and requires a comprehensive business continuity and disaster recovery (BCDR) strategy that minimizes the recovery point objective (RPO) and the recovery time objective (RTO).

The customer wants a resilient environment that has a secondary site that is at least 250 kilometers away.

You need to recommend a solution for the customer.

Which two solutions should you recommend? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

A. warm standby virtual machines in paired regions

B. Azure Traffic Manager to route incoming traffic

C. warm standby virtual machines in an Azure Availability Set that uses geo-redundant storage (GRS)

D. an internal load balancer to route Internet traffic

E. warm standby virtual machines in Azure Availability Zones

Correct Answer: AC

A: An Azure Region Pair is a relationship between two Azure Regions within the same geographic region for disaster recovery purposes. If one of the regions were to experience a disaster or failure, then the services in that region will automatically failover to that regions secondary region in the pair.

C: For increased availability, you can deploy two VMs with two HANA instances within an Azure availability set that uses HANA system replication for availability.

References: https://docs.microsoft.com/en-us/azure/virtual-machines/workloads/sap/sap-hana-availability-one-region
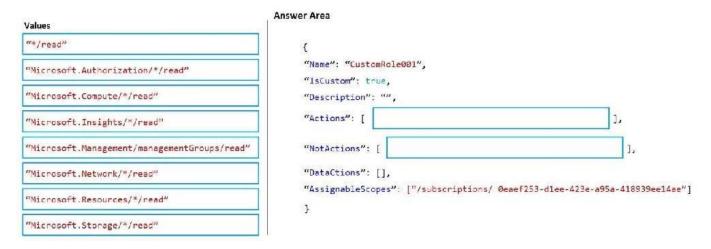
QUESTION 6

DRAG DROP

You deploy an SAP environment on Azure.

You need to grant an SAP administrator read-only access to the Azure subscription. The SAP administrator must be prevented from viewing network information. How should you configure the role-based access control (RBAC) role definition?

To answer, drag the appropriate values to the correct targets. Each value may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Select and Place:

Values

"*/read"

"Microsoft.Authorization/*/read"

"Microsoft.Compute/*/read"

"Microsoft.Insights/*/read"

"Microsoft.Management/managementGroups/read"

"Microsoft.Network/*/read"

"Microsoft.Resources/*/read"

"Microsoft.Storage/*/read"

Answer Area

```
{
    "Name": "CustomRole001",
    "IsCustom": true,
    "Description": "",
    "Actions": [                          ],
    "NotActions": [                       ],
    "DataCtions": [],
    "AssignableScopes": ["/subscriptions/ 0eaef253-d1ee-423e-a95a-418939ee14ae"]
}
```

Correct Answer:

Values

"Microsoft.Authorization/*/read"

"Microsoft.Compute/*/read"

"Microsoft.Insights/*/read"

"Microsoft.Management/managementGroups/read"

"Microsoft.Resources/*/read"

"Microsoft.Storage/*/read"

Answer Area

```
{
    "Name": "CustomRole001",
    "IsCustom": true,
    "Description": "",
    "Actions": [ "*/read"                    ],
    "NotActions": [ "Microsoft.Network/*/read"  ],
    "DataCtions": [],
    "AssignableScopes": ["/subscriptions/ 0eaef253-d1ee-423e-a95a-418939ee14ae"]
}
```

```
{
  "Name": "CustomRole001",
  "IsCustom": true,
  "Description": "",
  "Actions": [ "*/read" ],
  "NotActions": [ "Microsoft.Network/*/read" ],
  "DataCtions": [],
  "AssignableScopes": ["/subscriptions/ 0eaef253-d1ee-423e-a95a-418939ee14ae"]
}
```

QUESTION 7

You are deploying an SAP production landscape to Azure.

Your company\\'s chief information security officer (CISO) requires that the SAP deployment complies with ISO 27001.

You need to generate a compliance report for ISO 27001.

What should you use?

A. Azure Security Center

B. Azure Log Analytics

C. Azure Active Directory (Azure AD)

D. Azure Monitor

Correct Answer: A

In the Azure Security Center regulatory compliance blade, you can get an overview of key portions of your compliance posture with respect to a set of supported standards. Currently supported standards are Azure CIS, PCI DSS 3.2, ISO 27001, and SOC TSP.

Reference: https://azure.microsoft.com/en-us/blog/regulatory-compliance-dashboard-in-azure-security-center-now-available/

QUESTION 8

HOTSPOT

You have an on-premises deployment of SAP HANA.

You plan to migrate the deployment to Azure.

You need to identify the following from the last six months:
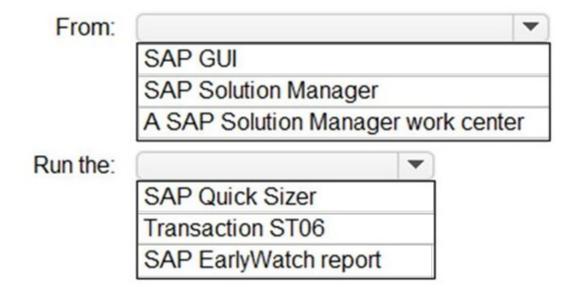
1.

The number of active users

2.

The database performance

What should you do? To answer, select the appropriate options in the answer area.

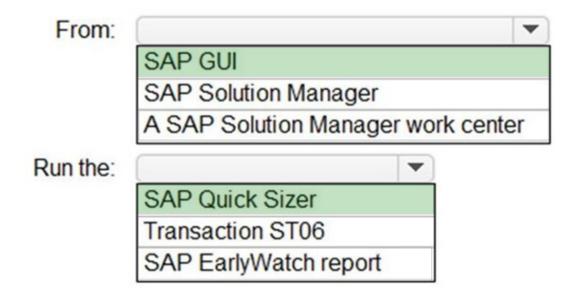NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

From:

| SAP GUI |
| SAP Solution Manager |
| A SAP Solution Manager work center |

Run the:

| SAP Quick Sizer |
| Transaction ST06 |
| SAP EarlyWatch report |

Correct Answer:

Answer Area

From:

| SAP GUI |
| SAP Solution Manager |
| A SAP Solution Manager work center |

Run the:

| SAP Quick Sizer |
| Transaction ST06 |
| SAP EarlyWatch report |

Reference: https://assets.cdn.sap.com/sapcom/docs/2019/09/0e8d0628-687d-0010-87a3-c30de2ffd8ff.pdf

QUESTION 9

You have an on-premises third-party enterprise resource planning (ERP) system that uses Microsoft SQL Server 2016.

You plan to migrate the ERP system to SAP Business Suite on SAP HANA on Azure virtual machines.

You need to identify the appropriate sizing for Business Suite on HANA.

What should you use?

A. SAP Quick Sizer for HANA Cloud

B. HANA Cockpit

C. SAP Quick Sizer for HANA

D. SAP Cloud Platform Cockpit

Correct Answer: A

If a customer runs non-SAP systems, the only way of Sizing the required Hardware for SAP HANA is the Quick-Sizer tool.

HANA-based Cloud Quick Sizer: Please use this version, if the product that you want to size shall run in the Cloud; e.g. SAP S/4HANA Cloud and SAP Data Warehouse Cloud.

Reference:

https://www.sap.com/about/benchmark/sizing.html#quick-sizer

QUESTION 10

You have an on-premises SAP environment hosted on VMware VSphere that uses Microsoft SQL Server as the database platform.

You plan to migrate the environment to Azure. The database platform will remain the same.

You need gather information to size the target Azure environment for the migration. What should you use?

A. the SAP EarlyWatch report

B. Azure Advisor

C. the SAP HANA sizing report

D. Azure Monitor

Correct Answer: C

https://azure.microsoft.com/nl-nl/blog/sap-on-azure-architecture-designing-for-performance-and-scalability/

"For existing on-premises systems, you should reference system configuration and resource utilization data. The system utilization information is collected by the SAP OS Collector and can be reported via SAP transaction OS07N as well as the EarlyWatch Alert."

QUESTION 11

HOTSPOT

You plan to deploy a highly available ASCS instance to SUSE Linux Enterprise Server (SLES) virtual machines in Azure.

You are configuring an internal Azure Standard Load Balancer for the ASCS instance.
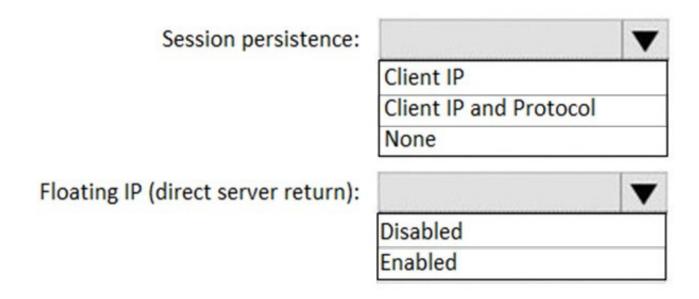
How should you configure the internal Standard Load Balancer? To answer, select the appropriate options in the answer area.

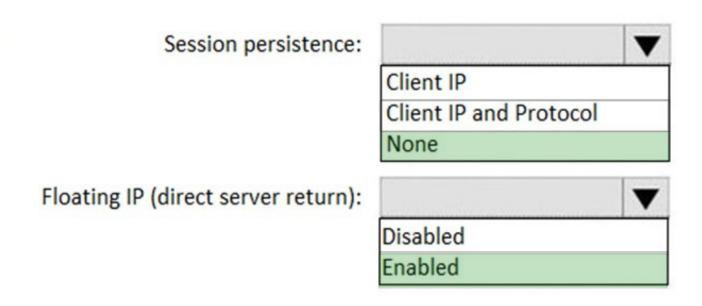NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Session persistence:

| Client IP |
| Client IP and Protocol |
| None |

Floating IP (direct server return):

| Disabled |
| Enabled |

Correct Answer:

Answer Area

Session persistence:

| Client IP |
| Client IP and Protocol |
| **None** |

Floating IP (direct server return):

| Disabled |
| **Enabled** |

Session persistence: None. Floating IP: Enabled.

References: https://docs.microsoft.com/en-us/azure/virtual-machines/workloads/sap/high-availability-guide-suse

QUESTION 12

You are planning a deployment of SAP on Azure that will use SAP HANA.

You need to ensure that the SAP application servers are in the same datacenter as the HANA nodes.

What should you use?

A. a resource group

B. a virtual machine scale set

C. an application group

D. a proximity placement group

Correct Answer: D

QUESTION 13

You have an Azure subscription and an Enterprise Agreement (EA).

You plan to deploy an SAP on Azure production landscape that will contain the following virtual machines:

One M-series virtual machine with 128 cores

15 E-series virtual machines with a total of 300 cores 10 D-series virtual machines with a total of 160 cores

During the deployment of the E-series virtual machines, you receive the following error message.

Operation results in exceeding quota limits of Core.

You need to ensure you can complete the E-series virtual machine deployment. The solution must meet the following requirements:

Maintain the performance of the SAP landscape.

Minimize administrative effort.

Minimize costs.

What should you do?

A. Convert the subscription to Pay-As-You-Go (PAYG).

B. Create a second subscription and split the virtual machines evenly between both subscriptions.

C. Resize the D-series and E-series virtual machines.

D. Request a quota increase for the Azure region.

Correct Answer: D

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